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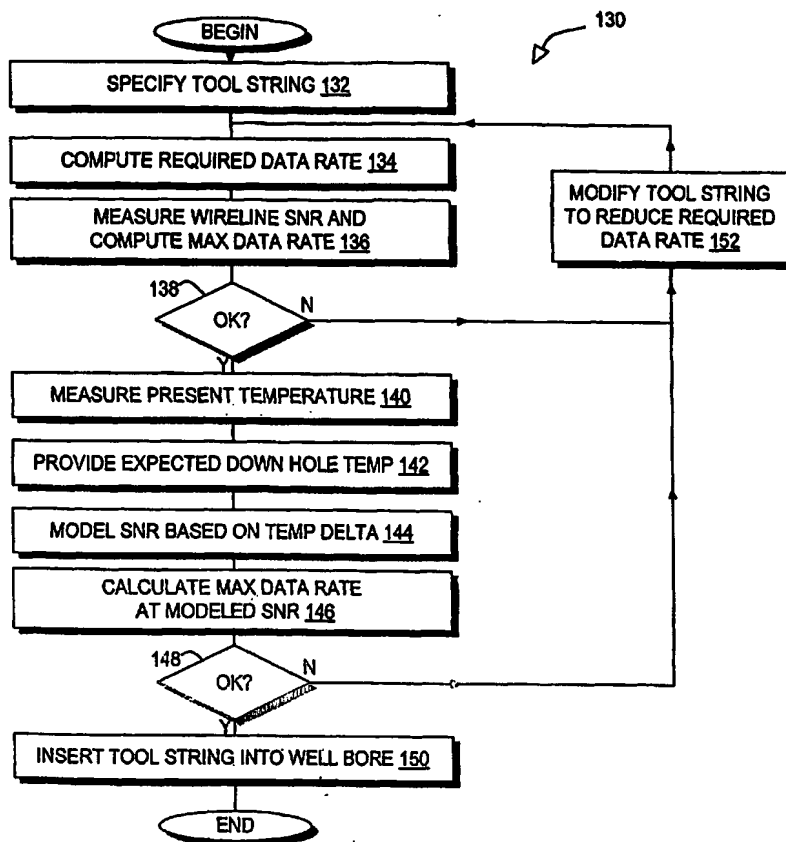
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- (71) Applicant (for CA only): **SCHLUMBERGER CANADA LIMITED [CA/CA]**; 525 - 3rd Avenue S.W., Calgary, Alberta T2P 0G4 (CA).
- (71) Applicant (for FR only): **SERVICES PETROLIERS SCHLUMBERGER [FR/FR]**; 42, rue Saint-Dominique, F-75007 Paris (FR).
- (71) Applicant (for GB, JP, NL only): **SCHLUMBERGER HOLDINGS LIMITED**; P.O. Box 71, Craigmuir Chambers, Road Town, Tortola (VG).
- (71) Applicant (for AM, AT, AZ, BY, DE, DK, HR, IT, KG, KR, KZ, MD, NO, NZ, PL, RO, RU, TJ, TM, UA, ZA only): **SCHLUMBERGER TECHNOLOGY B.V. [NL/NL]**; Parkstraat 83-89, NL-2514 JG The Hague (NL).
- (71) Applicant (for all designated States except US): **SOFITECH, N.V. [BE/BE]**; Rue de Stall 140, B-1180 Brussels (BE).
- (71) Applicant (for LT only): **SCHLUMBERGER TECHNOLOGY CORPORATION [US/US]**; 300 Schlumberger Drive, Sugar Land, TX 77478 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **STEINER, Jr., Joseph, M. [US/US]**; 12 Turtle Creek Manor, Sugar Land, TX 77479 (US). **CLARK, Jr., Lloyd, D. [US/US]**; 1416

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(54) Title: WIRELINE TELEMETRY DATA RATE PREDICTION



(57) Abstract: A wireline logging method including estimating a data rate requirement associated with a tool string to be connected to a wireline cable and determining an operating characteristic of a wireline cable at the surface. The operating characteristic is indicative of the wireline cable's data rate capacity. Before inserting the wireline cable into a well bore, a down hole value of the operating characteristic is modeled and a down hole data rate capacity is derived based thereon. Upon determining that the estimated data rate requirement does not match the down hole data rate capacity, the tool string is modified to remove or add tools to the tools string to match the tool strings data rate requirements with the estimated data rate capacity of the tool string and cable.

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Shenandoah Drive, Cedar Park, TX 78613 (US). **HERNANDEZ-MARTI, Ramon** [US/US]; 11121 Callanish Park Drive, Austin, TX 78750 (US). **SOETANDIO, Soetjipno, Chlp** [US/US]; 919 Pointe Loma Drive, Sugar Land, TX 77479 (US). **RICHARDSON, Suzanne, D.** [US/US]; 8107 Greenwich Meridian, Austin, TX 78759 (US).

(74) **Agent:** NAVA, Robin; Schlumberger IPC, 555 Industrial Boulevard, MID1, Sugar Land, TX 77478 (US).

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